

AMENDMENTS TO THE SPECIFICATION

1. Amended Paragraph at lines 13 through 24 of the Substitute Specification

Figure 4 is a block diagram of an embodiment of a control system for incorporation into a mass system in accordance with Figure 3. It shows one preferred embodiment of the control system identified by the reference number 64 in Figure 3. The control system 64 includes a first to third part 64₁ to 64₃. The first part 64₁ has a first regulator 80, a frequency generator 81, a second regulator 82, an electronics component 83, an addition stage 84 and a multiplier 85. The operation of the first part corresponds essentially to that of the electronics module 2 of Figure 1 and will therefore not be described once again. The second part 64₂ has a first regulator 90, a first modulator 91, a second regulator 92, a second modulator 93 and a third regulator 94. A first and a second addition stage 95, 96 are also provided. A rotation rate signal Ω can be determined at the output of the first regulator 90, and an assembled signal comprising the a compensation of the quadrature bias B_{Q1} B_Q and an acceleration A can be determined at the output of the third regulator 94.

2. Amended Paragraph at page 31, line 24 through page 32, line 12 of the Substitute Specification

The third part 64₃ of the control system 64 has a first regulator 100, a first modulator 101, a second regulator 102, a second modulator 103 and a third regulator 104. A first and a second addition stage 105, 106 are also provided. A rotation rate signal Ω with negative mathematical sign can be tapped off at the output of the first regulator 100 and an assembled signal comprising the compensation of the quadrature bias B_{Q2} B_Q with negative mathematical sign and an acceleration signal A can be tapped off at the output of the third regulator 104. The method of operation of the second and of the third parts 64₂ and 64₃ corresponds to that of the electronics module 2 illustrated in Figure 2, and will therefore not be explained again.